

VILLAGE OF ANGEL FIRE
Council Work Session
Tuesday September 11th, 2012 at the Village Hall

Call to Order

Mayor Cottam called the meeting to order at 2:00 PM

Pledge of Allegiance

Mayor Cottam called for the Pledge of Allegiance

After the pledge the Mayor asked that we have a moment of silence for those that we lost in 911 and for those that still serve.

Roll Call

Present were Mayor Cottam, Mayor Pro-tem Howe, Councilor Germerscheid, Councilor Welker Councilor Colenda. Also present Village Clerk Terry Cordova. A full quorum was present.

Approval of Agenda

Mayor Pro-tem Howe made the motion to approve the agenda. Councilor Welker seconded the motion. Motion carried 4-0

Council Work Session:**1. Review and Discussion of the 2014-2018 Infrastructure Capital Improvement Plan (ICIP)**

Mark Rivera, Community Development Director explained that this process is an annual event. It is not monitory but it was necessary if we wanted to be considered for funding during the legislative session. Everything on this list is the same as last year's just bumped down one place. Mark also mentioned that the item on the summary sheet 2014-12 Wastewater Plant Upgrade needs to be moved up on the list as our permits are due and we will need to do something soon. Darrell Benjamin, Water Supervisor gave a summary of the issues that were going on at the wastewater treatment plant (see attached summary). The Council further discussed the placement of items on the list. Please see attached summary sheet.

Adjournment

Mayor Pro-tem Howe made the motion to adjourn at 3:10pm, Councilor Colenda seconded. Motion carried 4-0

Passed, Approved and Adopted on this 25th day in September, 2012


Barbara Cottam, Mayor

ATTEST:


Terry Cordova, Village Clerk

In September 2010 a Total Maximum Daily Load (TMDL) was approved by the EPA for the Cimarron Watershed which includes the Cieneguilla Creek. The TMDL incorporates very stringent limits for Total Nitrogen (TN) and Total Phosphorus (TP) in the effluent of the WWTP discharge.

The present WWTP was designed for removal of pollutants typical for most municipal WWTP's such as BOD, TSS, bacteria and ammonia, PH, and whole effluent toxicity. Our present NPDES permit expires October 31, 2012. The new permit will require the new limits of TP at 0.1mg/L and TN at 3mg/L. On the new NPDES application the Village wrote a letter requesting that a reasonable and realistic schedule for implementation of seasonal limits be considered. The phasing proposed by the Village is as follows:

- Initial Phase (2012-2017 NPDES Permit), if numeric limits for plant nutrients are added to this permit:
During the first couple of years within this permit period, the WWTP's personnel will take samples and collect information regarding influent and effluent total nitrogen and total phosphorus concentrations. This information remains unknown at this time, but needs to be known to determine further treatment requirements and improvements needed to consistently achieve nutrient removal during the cold/winter season.

The proposed limits may be achievable by process optimization and will likely require some improvements and modifications at the existing WWTP. The Village will need to secure funding and procure technical assistance to identify and implement process optimization alternatives to consistently achieve TN of 10mg/L and TP of 3mg/L or less during cold/winter months. Any improvements likely require capital expenses; thus, the Village will need to secure funding for design, purchase of equipment, and construction.

During this NPDES Permit cycle, the Village will also pursue funding for design and construction of recommended effluent reuse facilities. The objective will be to have the necessary infrastructure in place to completely transition to seasonal discharge when the 2017-2022 NPDES Permit cycle comes around.

- Phase 1 (2012-2022 NPDES Permit): combined 100% reuse and seasonal discharge:
Warm/Summer Season: May 1 to September 30. Achieve 100% reuse (land application) to achieve zero discharge to Cieneguilla Creek.

Cold/Winter Season: October 1 to April 30, 10 mg/L TN and 3 mg/L TP. Discharge into the Cieneguilla Creek.

The Village will need time prior to this permit cycle to secure funding for design and construction of the recommended effluent reuse facilities and improvements for seasonal discharge.

The estimated capital expenses to implement this combination of zero discharge and seasonal discharge is \$6.3 million.

The WWTP can be upgraded by converting the Sanitaire "NIT" cycle system to a Sanitaire "NDN" cycle system. The estimated budget price for the equipment and services to convert the system to "NDN" is \$160,120. The general scope includes:

- Four (4) Flygt Model 4650 Submersible Mixers with System 4 mast assembly and seal leak detection/thermal over temp protection.
- One (1) portable hoist with 4x floor sockets
- Control Panel Modifications, including:
 - New Allen Bradley PLC
 - New Allen Bradley HMI
 - Newest programming, including the NDN conversion
 - Wall-mount enclosure for mixers starters and H-O-A

Sanitaire will install the new PLC and HMI inside the existing control cabinet. The wall-mount mixer starters and associated conduit/electrical service will have to be field installed by an electrician. Also includes Five (5) days of Sanitaire field service onsite and shipping charges to Angel Fire.

Additional on-site expenses that we will be responsible for besides the local electrician will be:

- Field installation of mixers and mixer mast assembly (mast supports and guide rails)
- Required field wiring
- Installation of wall-mount starters for mixers

As much as possible of this will be done with WWTP personnel.

The present effluent that we have stored in the lagoon is over the PH and TN limits for discharging into the Cieneguilla Creek. Mayor Cottam is requesting permission from Angel Fire Resort to allow us to use the old land application site to land apply the effluent that is stored. This would allow some time for the Village to pursue an agreement with Angel Fire Resort for a longer time period on a lease.

We will still need to pursue funding for the WWTP upgrade as we are over the TN limit of 10 mg/L for the land application. We have met with the representative of NMED and we can land apply what is stored with limiting the TN effluent to 200 lbs. per acre for natural grass uptake. We also have to follow up with a letter and action plan for the plant upgrade that is approved by our Village engineer. As we just received this WWTP upgrade proposal last week I have not contacted our Village engineer at the present time.

We had a new problem arise over the weekend with WWTP basin 1 which has a broken airline in the basin aeration system. We are changing the flow to basin 2. In changing over to basin 2 we have found a problem with the blower controls for that basin. We cannot find or determine what the problem is so we are going to have to hire someone to assist in locating the problem.

Infrastructure Capital Improvement Plan FY 2014-2018

Angel Fire Project Summary

ID	Rank	Project Title	Top 5 Rank	Category	Funding Sources	Funded to date	2014	2015	2016	2017	2018	Total Project Cost	Mos to compl
23959	2014-01	Wastewater Plant Upgrade	1	Wastewater	FGRANT SGRANT LGRANT SLOAN LFUNDS	0	550,000	0	0	0	0	550,000	0
15919	2014-02	Village Water Tank Repair	2	Water Supply	FGRANT SGRANT LGRANT SLOAN LFUNDS	0	850,000	0	900,000	0	0	1,750,000	0
15829	2014-03	Extend Sewer and Waterline System	3	Wastewater	FLOAN FGRANT SGRANT LGRANT LFUNDS	0	3,350,000	0	0	0	0	3,350,000	0
15057	2014-04	SCADA Control and Data Acq	4	Water Supply	FGRANT SGRANT LGRANT SLOAN LFUNDS	0	300,000	0	0	0	0	300,000	0
22114	2014-05	Water Re-Use Project	5	Wastewater	FGRANT LGRANT SGRANT SLOAN LFUNDS	0	6,650,000	0	0	0	0	6,650,000	0
12964	2014-06	Street Improvements		Hiways/Roads/Streets/Bridges	FGRANT SGRANT SLOAN LFUNDS	0	475,000	200,000	200,000	200,000	200,000	1,275,000	0
10995	2014-07	Regional Recycle Center Addition / Repair		Solid Waste	FGRANT SLOAN SGRANT LFUNDS	0	50,000	750,000	0	0	0	800,000	0
11342	2014-08	Completion of Sports Complex, Phase One		Economic Development	LGRANT SGRANT FGRANT LFUNDS	0	200,000	0	0	0	0	200,000	0
15950	2014-09	Storm Drain Master Plan for Ski Area Watershed		Storm/Surface Water Control	FGRANT SGRANT FLOAN SGRANT	0	100,000	500,000	500,000	0	0	1,100,000	0
15927	2014-10	Water Rights Acquisition		Water Rights	FGRANT LBONDS.	0	0	0	0	0	250,000	250,000	0
20965	2015-01	MUTCD Sign Replacement Program		Hiways/Roads/Streets/Bridges	FGRANT SGRANT LFUNDS	0	0	30,000	30,000	30,000	30,000	120,000	0
12928	2015-02	Gym Floor Replace		Cultural Facilities	LFUNDS SLOAN LGRANT	0	0	50,000	0	0	0	50,000	0
17325	2015-03	Drill New NW Well/Storage Tank		Water Supply	LGRANT SGRANT SLOAN	0	0	30,000	80,000	1,250,000	0	1,360,000	0

Wednesday, September 12, 2012

Angel Fire/ICIP 09600

Infrastructure Capital Improvement Plan FY 2014-2018

			FGRANT									
26276	2015-04	Workforce Housing	Housing-Related Cap Infra	FGRANT SGRANT LGRANT SLOAN	0	0	125,000	1,000,000	1,000,000	0	2,125,000	30
19269	2016-01	Mobile Home Estates Sewer Line	Wastewater	FGRANT LGRANT SLOAN LFUNDS	0	0	125,000	825,000	0	0	950,000	0
10958	2017-01	Replace Type 6 Wildland Truck	Fire	FGRANT SGRANT SLOAN LFUNDS	0	0	0	0	150,000	0	150,000	0
10957	2018-01	Replace Rescue Vehicle	Public Safety Equipment/Bldgs	SGRANT LFUNDS	0	420,000	0	0	0	0	420,000	0
10321	2018-02	Wireless Communication System, Phase 1	Public Safety Equipment/Bldgs	LFUNDS SGRANT	0	0	0	80,000	0	0	80,000	0
12962	2018-03	Angel Fire Sports Complex / Phase 2	Public Parks (local)	FGRANT SGRANT SLOAN LBONDS	0	0	350,000	1,350,000	0	0	1,700,000	0
20961	2018-04	West Side Country Club Area Water Well	Water Supply	FGRANT SGRANT SLOAN	0	90,000	1,200,000	0	0	0	1,290,000	0
10442	2018-05	Plaza del Sol	Hiways/Roads/Streets/Bridges	FGRANT LGRANT SGRANT SLOAN LFUNDS	0	950,000	0	0	0	0	950,000	0
11369	2018-06	Public Safety Building / Plaza del Sol	Public Safety Equipment/Bldgs	LBONDS LFUNDS LGRANT	0	0	4,000,000	0	0	0	4,000,000	0
			Funded to date:	Year 1:	Year 2:	Year 3:	Year 4:	Year 5:	Total Project Cost:			
Grand Totals			0	13,985,000	7,360,000	4,965,000	2,630,000	480,000	29,420,000			